

PRC 20/3-C4-FC-FS2,5 6-14 - Coupler connector



1313325

<https://www.phoenixcontact.com/us/products/1313325>

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Coupler connector, Range of articles: PRC 20, color: black, number of positions: 3, min. conductor cross-section: 0.5 mm², max. conductor cross-section: 2.5 mm², rated voltage: 400 V, rated current: 20 A, Connection method: Screw connection, Setting option for release: 1. with a tool or 2. by hand, scope: BUS

Your advantages

- More space on the device front with current transmission up to 20 A in a minimum amount of space
- Duo-Unlock technology for greater flexibility during installation and maintenance
- Reliable use under extreme ambient conditions with high degrees of protection and impact resistance
- Simple handling with proven crimp or screw connection technology
- Mechanical and color coding for quick and error-free startup

Commercial data

Item number	1313325
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB03
Product key	ABLHBA
GTIN	4063151568719
Weight per piece (including packing)	53.8 g
Weight per piece (excluding packing)	41.917 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Notes

Order information:	Setting option for release: 1. with a tool or 2. by hand
Note on application	For assembly notes, please refer to the packing slip

Product properties

Product type	Installation connector
Product family	PRC 20
Area of application	BUS
Number of positions	3
Connection profile	2+PE
Coding	3-C4

Insulation characteristics

Protection class	II
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Electrical properties

Rated voltage	400 V (III/2.00) in accordance with IEC 61984
	400 V AC (III/2.00) in accordance with IEC 61535
	600 V AC / DC (III/2.00) in accordance with UL 2238 / UL 2237
	500 V DC (III/2.00) in accordance with IEC 61535
Rated current	20 A (With 2.5 mm ² conductor cross-section in accordance with IEC 61535)

Dimensions

Width	28.5 mm
Height	28.5 mm
Length	80.4 mm

Material specifications

Color (Housing)	black (RAL 9005)
Material Seal	EPDM (Cable seal)
	EPDM (Housing seal)
Material Contact carrier	PPE
	PPE
Material Cable gland	PC
Material Contact	CuZn (Contact material, Pb < 0.1)
Flammability rating according to UL 94	V0

Cable/line

Single wire, cross section	0.5 mm ² 2.5 mm ²
Stripping length of the individual wire	10 mm (Lay PE conductor 8 mm leading)
Halogen-free	yes

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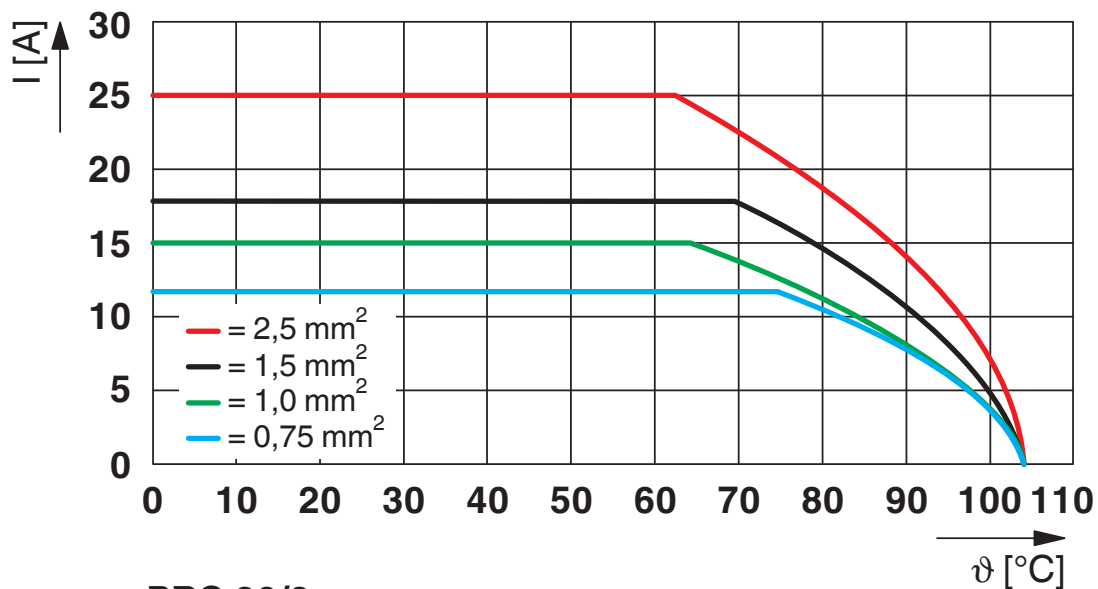
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66
	IP68 (2 m / 2 h)
	IP69
Category of shock impact	IK08 (-25°C)
Ambient temperature (operation)	-40 °C ... 85 °C (observe derating)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 85 °C

Drawings

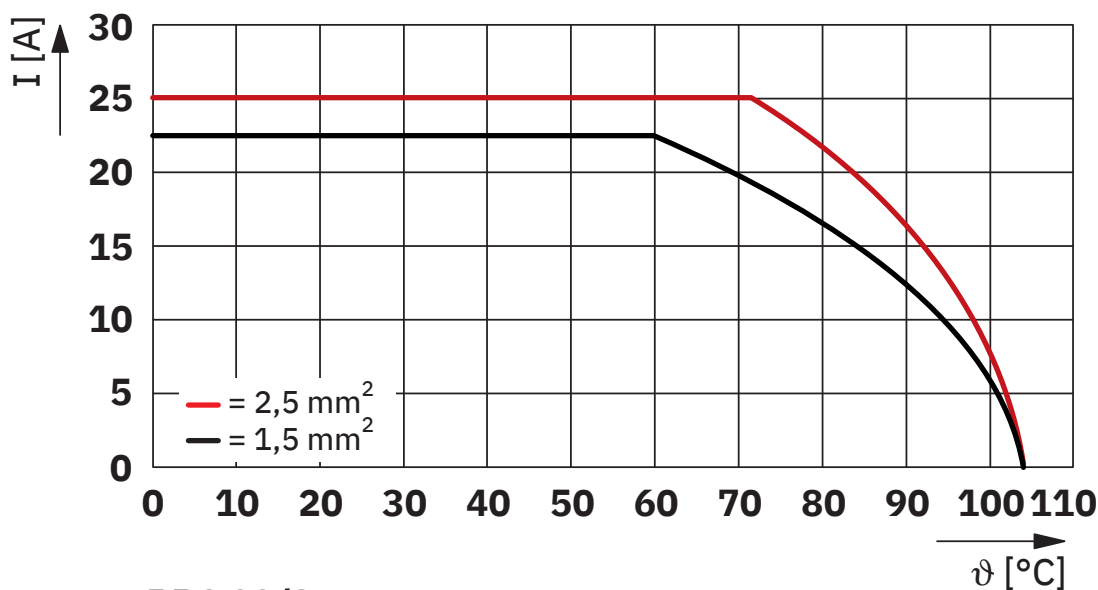
Diagram



PRC 20/3...
IEC 60512-5-2 / 2 conductors

Derating

Diagram



PRC 20/3...
IEC 61535 / 2 conductors

Derating

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Classifications

ECLASS

ECLASS-13.0	27440605
ECLASS-15.0	27440605

ETIM

ETIM 10.0	EC002560
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Triphenyl phosphate(CAS: 115-86-6)
SCIP	6e14f6b2-c3ae-44c4-a5cc-d236789be69e

EF3.1 Climate Change

CO2e kg	0.873 kg CO2e
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